

## Message Text

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ORIGIN OES-05

INFO OCT-01 EUR-12 ISO-00 ERDA-07 FEA-01 ACDA-10 CIAE-00

INR-07 IO-10 L-02 NSAE-00 NSC-05 EB-07 NRC-07 /074 R

DRAFTED BY ERDA:BBELANGER/OES/SCI/SEP:WROOT:GEM

APPROVED BY OES/SCI/SEP:OGANLEY

FEA:BEVERETT

EUR/SOV:TWALSH

ERDA:WPENKOWSKY

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R 241729Z APR 75

FM SECSTATE WASHDC

TO AMEMBASSY MOSCOW

UNCLAS STATE 094628

E.O. 11652: N/A

TAGS: ENRG, UR

SUBJECT: ENERGY AGREEMENT: SUPERCONDUCTING TRANSMISSION

FOR SCICOUNS

BELANGER REQUESTS EMBASSY CONVEY FOLLOWING TO LEVITOV:

"REFERENCE MY LETTERS OF NOVEMBER 1 AND MARCH 20 AND  
YOUR LETTER OF APRIL 4.

A. RETURNING US EXPERTS REGARD RECENT VISIT A COMPLETE  
SUCCESS.

B. WE SUGGEST VISIT OF EIGHT SOVIET EXPERTS JUNE 1-15,  
TWO EACH TO (1) LOS ALAMOS (EXPERIMENTS ON CONDUCTOR  
SAMPLES IN 20 METER TEST BED; EXPERTS TO HAVE INTEREST  
IN EVALUATING CONDUCTORS FOR DC CABLES, INSTRUMENTATION,  
AND CRYOGENIC APPARATUS); (2) NBS BOULDER (EXPERIMENTS  
ON HELIUM HEAT TRANSFER AND HYDRODYNAMICS AND DISCUSSION  
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OF MATHEMATICAL MODELS OF HELIUM FLOW IN SUPERCONDUCTING  
CABLES - MOST HELIUM FLOW EXPERIMENTAL EQUIPMENT WILL NOT  
BE FULLY OPERATIONAL UNTIL MID-SUMMER BUT MEANINGFUL  
DISCUSSIONS CAN TAKE PLACE IN JUNE); (3) BROOKHAVEN

(EXPERIMENTS ON CRYOGENIC HARDWARE EVALUATION, SUPERCONDUCTING MATERIALS EVALUATION, AND/OR HIGH VOLTAGE TESTING OF CABLE SPECIMENS DEPENDING ON INTERESTS OF YOUR EXPERTS); AND (4) UNION CARBIDE (EXPERIMENTS ON CRYOGENIC ENCLOSURE PERFORMANCE AND POSSIBLY ON CONDUCTORS, SHIELDS, AND DIELECTRIC SPACERS AND DISCUSSION OF MATHEMATICAL MODELING OF SYSTEM OPTIMIZATION).

C. NAMES, DATES AND PLACES OF BIRTH, AND PRESENT JOB TITLES AND TECHNICAL INTERESTS OF EIGHT SOVIET EXPERTS AND YOUR VIEWS ON JUNE 1-15 DATES WOULD BE APPRECIATED AS SOON AS POSSIBLE.

D. I AGREE WITH YOUR SUGGESTION THAT US COMMITTEE VISIT TO USSR BE IN SEPTEMBER AND PROPOSE SEPT. 7 ARRIVAL DATE. MOST COMMITTEE MEMBERS WOULD LIKE TO ATTEND SEPT. 16-19 CONFERENCE ON TECHNICAL APPLICATIONS OF SUPERCONDUCTIVITY (ALUSHTA) AND A FEW MAY WISH TO ATTEND SEPT. 20-30 CONGRESS OF INTERNATIONAL INSTITUTE OF REFRIGERATION (IIR) IN MOSCOW FOLLOWING ALUSHTA MEETING (PAYING OWN EXPENSES WHILE AT IIR MEETING). DO YOU THINK WEEK OF SEPT. 8-15 WOULD BE SUFFICIENT TIME FOR COMMITTEE VISIT? WE WOULD LIKE TO AGREE ON FIRM DATES SOON." KISSINGER

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